



# PRODUCT NEWS

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## AUBURN LAMINATING ADHESIVES

PRODUCT	ADHESIVE	LINER
467MP	2.0 mils (50 microns) #200MP "Hi-Performance" Acrylic Adhesive	4.0 mils (100 microns) 58# Tan Polycoated Kraft Paper
468MP	5.0 mils (125 microns) #200MP "Hi-Performance" Acrylic Adhesive	4.0 mils (100 microns) 58# Tan Polycoated Kraft Paper

### FEATURES

- high performance acrylic adhesive for exceptional environmental resistance and bond strength.
- superior adhesive smoothness for improved clarity and lamination to thin plastic facestocks.
- high cohesive strength for resistance to edge lifting and slippage.
- 2.0 mil 467MP is ideal for application to relatively smooth surfaces.
- 5.0 mil 468MP is ideal for application to a variety of rough or textured surfaces.
- moisture stable liner resists curling or wrinkling in high humidity.

### PHYSICAL PROPERTIES

(Typical values - not for specification use)

	Product	20 Minute Dwell				
		Oz./In. N/100 mm				
ASTM D-330 (modified) (90 degree peel, 12"/min. 302 mm/min.) 2 mil aluminum to stainless steel	467MP	44	48			
	468MP	59	64			
	Product	20 Minute Dwell		Ultimate Bond		
		Oz./In. N/100mm		Oz./In. N/100m		
3M Test (90 degree peel, 12"/min. 305 mm/min.) 2 mil aluminum to various surfaces						
	- Metal (Stainless Steel)	467MP	82	90	113	124
		468MP	109	119	178	194
- High Surface Energy Plastic (Polycarbonate)	467MP	48	53			
	468MP	60	65			
- Low Surface Energy Plastic (Polypropylene)	N/A					

## ENVIRONMENTAL PERFORMANCE

The properties defined are based on the attachment of impervious faceplate materials (such as aluminum) to an aluminum test surface.

- Bond Build-up:** The bond strength of #200MP "Hi Performance" Acrylic Adhesive increases as a function of time and temperature.
- Humidity Resistance:** High humidity has a minimal effect on adhesive performance. Bond strengths are generally higher after exposure for 7 days at 90 degrees F (32 degrees C) and 90% relative humidity.
- U.V. Resistance:** When properly applied, nameplates and decorative trim parts are not adversely affected by outdoor exposure.
- Water Resistance:** Immersion in water has no appreciable effect on the bond strength. After 100 hours in room temperature water the bond actually shows an increase in strength.
- Temperature Cycling Resistance:** Bond strength generally increases after cycling four times through:  
4 hours at 158 degrees F (70 degrees C)  
4 hours at -20 degrees F (-29 degrees C)  
16 hours at room temperature
- Chemical Resistance:** When properly applied, nameplate and decorative trim parts will hold securely after exposure to numerous chemicals including gasoline, oil, "Freon" TF, sodium chloride solution, mild acids and alkalis.
- Heat Resistance:** The #200MP "Hi-Performance" adhesive is usable for short periods (minutes, hours) at temperatures up to 400 degrees F (204 degrees C) and for intermittent longer periods of time (days, weeks) up to 300 degrees F (149 degrees C).
- Shelf Life:** Product retains its performance and properties for one year from date of purchase if properly stored at room temperature conditions of 72 degrees F (22 degrees C) and 50% relative humidity. Storage in plastic bag is recommended.